

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number
WO 2004/110877 A3

(51) International Patent Classification⁷: **B65D 17/34**,
G09F 3/00

(21) International Application Number:
PCT/US2004/018224

(22) International Filing Date: 8 June 2004 (08.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/477,011 9 June 2003 (09.06.2003) US

(71) Applicant and
(72) Inventor: **CHANG, Charles** [US/US]; 55 Westview
Road, Wayne, NJ 07470 (US).

(72) Inventors; and
(75) Inventors/Applicants (for US only): **SHEFFLER,**
Robert, J. [US/US]; 41 Sandburg Drive, Morganville, NJ
07751 (US). **CHANG, Lucy** [US/US]; 55 Westview Road,
Wayne, NJ 07470 (US).

(74) Agent: **CROZIER, John**; 1934 Huntington Turnpike,
Trumbull, CT 06611-5116 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

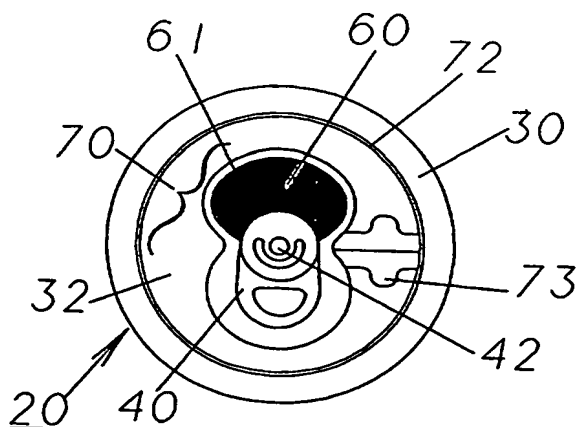
Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
10 March 2005

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: BEVERAGE CAN WITH LAMINATE ON TOP



(57) Abstract: In a preferred embodiment a protective
laminate for a beverage can, including: at least one layer
disposed across substantially an entire upper surface of a
top of the beverage can; and the at least one layer hav-
ing therein at least one score or die-cut line adapted to
facilitate manual removal of the at least a portion of the at
least one layer before a person consumes contents of the
beverage can. A method of manufacturing the protective
laminate is also provided, with the laminate being applied
to the metal stock before the can components are formed
and assembled.

WO 2004/110877 A3